**Name: Manjusha N**

**Contact: (469)-248-6968**

**Email: manjushan883@gmail.com**

**Summary**

* Over 9+ years of diversified experience comprising of delivery management, design, development, deployment, and cloud implementation with thorough knowledge in AWS, Java, J2EE, Hadoop Big Data and related technologies.
* As Full stack developer with extensive Knowledge Working in Various Stack Such as Full Stack, Mean Stack with experience in Angular.js, Node.js, React.js in all stages of Full Software Development Life Cycle (SDLC) in various Information Technology areas involving Java /JavaScript/ J2EE, SOA/Web services and Frameworks (Spring and Hibernate).
* Expertise in distributed, secure, and scalable application development using J2EE Technologies like Servlets, JDBC, JSP, Struts, Spring IOC, Spring MVC, Amazon Web Services (AWS), Web Services development (SOAP and RESTful).
* Experienced in multi - tiered distributed environment, OOPS and OOAD concepts, and Service Oriented Architecture (SOA).
* Extensive industry experience with proven expertise in system development activities including requirement analysis, design, coding, testing and implementation with emphasis on Object Oriented, J2EE and Client Server technologies.
* Experience with architectures such as Redux to manage state of the application while working with frameworks such as React JS.
* Proficient in using Amazon Web Services AWS. Extensive experience in focusing on services like EC2, VPC, Cloud Watch, Cloud Front, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS.
* Ample experience in back-end technologies including SQL databases such as DB2, PostgreSQL, MySQL, and Oracle Database and NoSQL Databases such as Dynamo DB also in front-end technologies like HTML5, JavaScript, jQuery, CSS3, AJAX Angular JS, React JS, Bootstrap JS, web accessibility and responsive web designs, and APIs of all kinds, I've built high-availability AWS and Digital Ocean, Nginx, Apache HTTPs.
* Experience in working on web servers like Apache Tomcat, Jetty and application servers like Web logic, Tomcat to deploy code.
* Worked on creating Docker images, Containers, push/pull and on integration with Spring Boot.
* Experience in client-side languages & frameworks like JavaScript, JQuery, D3.js, Track.js, Backbone.js, Angular.js; server-side languages like Node.js.
* Expertise in web development using HTML, DHTML, CSS, JavaScript, XSL, Microservice XSLT, and XML, JavaScript/jQuery, Angular JS, ReactJS, node JS, backbone.js, AWS, AJAX, Git, SVN.
* Experience in using Apache Kafka as a streaming platform.
* Expertise in building Spring Microservices with Spring Boot.
* Expertise in DevOps and CICD tools like Jenkins, Chef, Maven, uDeploy and Cloud Formation.
* Lately, my tool belt is filled with technologies like Node, NPM, Grunt, Gulp, Web pack, Backbone, React, Composer, BOOTSTRAP, LESS, and Bower.
* Extensive experience in various UI widgets using JavaScript libraries (JQuery) and developing Rich Internet Applications (RIA).
* Extensive experience on implementing the AJAX features using JavaScript and jQuery.
* Experience in Microservices architecture applications using Spring Boot, Spring Cloud config, Netflix OSS components (Eureka, Zuul, Hystrix), Kafka, Zookeeper, Cassandra, MySQL, Restful Web Services.
* Experience in Developing CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Extensively worked on debugging using logging Frameworks such as Apache Log4J.
* Experience in using Version Control Tools GitHub, Tortoise SVN, Apache Subversion and CVS.
* Expertise in using messages service MQ’s like IBM MQ, Rabbit MQ and Apache Kafka, Apache spark.
* Used Jenkins as a continuous integration tool for application building, testing, and deploying.
* Experience in NOSQL databases like Cassandra and MongoDB.
* Experience in using API testing tools like SOAP UI and POSTMAN extension.
* Experience in writing SQL Queries, HQL Queries and Stored Procedures in databases like Oracle, SQL Server and MYSQL.
* Hands on experience in deploying applications in Web Application Servers like Apache Tomcat, IBM Web Sphere, and JBoss.
* Good Knowledge in build tools like ANT, Gradle and Maven

**IT Skills**

* **Methodologies:** Agile, Waterfall.
* **Mark-up Languages:** XML, JSON, HTML5, CSS3.
* **Web Technologies:** HTML5, CSS5, XML, JQuery, Java Script, Angular, JSF, Node.js, React JS.
* **J2EE Technologies:** EJB, Servlets, JSP, JDBC, JNDI, Swing.
* **Tools & IDE:**Eclipse IDE, Net Beans IDE, IntelliJ, Visual Studio and Spring Tool Suite (STS).
* **Web/Application Servers:** Apache Tomcat, WebLogic, WebSphere, JBoss Fuse and Glassfish.
* **Databases:** Oracle, MySQL, DB2, Mongo DB, Firebase, Oracle PL/SQL Apache Cassandra, Hadoop.
* **Java Frameworks:** Spring, Hibernate, Struts
* **Design Patterns:** Dependency Injection, MVC, Singleton, Adaptor, Factory, Gate Way, Facade, MVP.
* **Testing:** Junit, ALM, ETL, TestNG.
* **Version Control:** GIT, SVN, CVS.
* **Build tool:** Ant, Maven. NIFI, Docker, Gradle.
* **Web Services:** Apigee and RESTful Web Services, SOAP Web Services -JAX- WS-API
* **Operating System:** Windows, UNIX, Mac OS X, Ubuntu, Linux.

**Project Experience**

**Client: E-Trade, Arlington, Virginia Feb 2021 - Current**

**Role: Java Full Stack Developer**

**Project description:** In the "Advanced Enterprise Application Development and Integration" project, our team utilized Agile SCRUM methodology to develop a sophisticated multi-tiered J2EE application. Combining Spring Inversion of Control and Hibernate, we crafted a robust back-end architecture and integrated Java JDK 1.8 features at the service layer. The project involved constructing End Points, Business Layers, and DAO Layers with Hibernate/JDBC, all under Spring IOC for efficient dependency management. For the front end, we employed JavaScript, AJAX, HTML5, CSS3, and Bootstrap to create a responsive user interface, supplemented by Angular 9 components for enhanced UI dynamics. This endeavor also included upgrading UI elements and implementing Spring MVC Framework for a comprehensive MVC architecture, demonstrating our expertise in a range of technologies and delivering a high-performance, scalable enterprise application.

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) and Hibernate.
* Build the application based on new features of Java JDK 1.8 at service layer level.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate/JDBC template, using Spring IOC (Dependency Injection).
* Involved in developing Spring Beans and wiring their dependencies.
* Developed forms for user event handling and validations using JavaScript and AJAX.
* Recommended and guided the team in building out a lean, responsive UI layer utilizing Semantic HTML5, BOOTSTRAP, and REST API architecture. Developed front end for the entire website using HTML5, CSS3, JSON and JAVASCRIPT.
* Built Angular 9 components, UI services to consume rest services using Component based architecture provided by Angular 9.
* Upgraded existing UI with HTML5, CSS3, JSON and Bootstrap.
* Designed MVC architecture and Front control design pattern using Spring MVC Framework for Presentation tier and I have written code for the using Spring MVC Framework for Presentation layer and spring dependency injection.
* Used spring framework for Dependency Injection and integrated with Hibernate.
* Primarily focused on the spring components such as Dispatcher servlets, Controller s, Model and View Objects, View Resolver.
* Worked on Java 8 Streams and on lambda expressions.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Used Hibernate, object /relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema.
* The Java Message Service (JMS) API is used to allow application components to create, send, receive, and read messages.
* Used JBoss6.x Application server to deploy the applications.
* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented AWS solutions using EC2, S3, RDS, DynamoDB, Route53, EBS, Elastic Load Balancer, Auto scaling groups.
* Extensively worked in XML related technologies XSLT, XPath, XQuery, DOM, and SAX.
* Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON and XML
* Tested Rest web services using postman, SOAP UI.
* Working on AWS Lambda for event driven work flow, working on Databases, Creating and Hosting micro services on EC2 Instances, and automating things using JSON Scripts, Creating End-Points for the services, integrating through API's, involved in creation of APIs and API Gateways for by establishing Secure connection between the end-points.
* Worked with Angular 9 Controllers, Directives, Services, Pipes, Guards, Angular Routing.
* Involved in creating the Hibernate POJO Objects and mapped using Hibernate Annotations.
* Involved in development of commonly used angular components across teams such as directives for grid, pagination, conditional validations.
* Extensive experience of Object Oriented JavaScript design pattern and JavaScript MVC Patterns Preferably Angular for building UI Widgets and Application logic.
* Developed data formatted web applications and deploy the script using JavaScript.
* Involved in installing and configuring Maven for application builds and deployment.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch, Spring Boot and handled the security using Spring Security
* Used Micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers.
* Design, develop and test HTML, CSS, JQuery, React JS, Redux that meets accessibility of web browser.
* Worked with core java concepts like Collections Framework, Multithreading and Memory management.
* Used JUnit, Mockito and test rest template for testing the rest services and camel routes etc.
* Worked with Kafka Cluster using Zookeeper. Developed Applications using Rule Engines-JBoss Drools, Workflows, Human tasks to implement Business rules validations.
* Worked on Docker container snapshots, attaching to the running container, removing images, managing containers.
* Migrated Cassandra cluster from one AWS account to another AWS account by using Cloud Formation Templates in JSON.
* Use of Jenkins pipelines to drive all Micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Built JavaScript based test framework using cucumber JS, web driver io, node.js, angular.js
* Experience on TDD and BDD environments like Cucumber JS, Jasmine, Mocha, Karma.
* Worked with Web Sphere application server that handles various requests from Client.
* Used JIRA to assign, track, report and audit the issues in the application.
* Used Maven to build and run the selenium automation framework. Configured Maven for Java automation projects and developed Maven Project Object Model (POM.xml).
* Used GIT to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.
* No SQL databases like Cassandra and HBase and comprehensive knowledge and experience in process improvement

**Environment:** JAVA 1.8, Ajax, XML, XSD, WSDL, Angular 8/9, HTML, CSS, JSON, Express JS, jQuery, Jasmine, Spring, JIRA, java script, Hibernate, Kafka, servlets, JAX-RS, SOAP, JUnit, JMS, Maven, Eclipse, web sphere, Node js, AWS, Multithreading, bootstrap, No SQL., Cassandra, Docker, Kubernetes, Jenkins, GIT.\

**Client Name: Freddie Mac, McLean, VA Mar 2018 - Dec 2020**

**Role: Java Developer**

**Project Description:** In this project, we developed a complex web application using Java 8, focusing on lambda expressions and streams for enhanced collection processing. The front-end was crafted with HTML5, CSS3, Bootstrap, JavaScript, jQuery, and React.JS, adhering to accessibility and browser standards. Key features included dynamic React JS components, REST and SOAP service design, and server-side RESTful services using Node.js. We integrated the application with cloud services, primarily Amazon Web Services (AWS), for robust hosting and storage solutions, including EC2 instances, S3 buckets, and AWS Lambda for event-driven workflows. The project also involved creating RESTful APIs, implementing AJAX, and using Jenkins for code integration, showcasing our commitment to delivering a comprehensive and highly integrated web and cloud application solution.

**Responsibilities:**

* Used Java 8 Lambda expressions along with Streams for creating internal iteration and performing chain operations such as Filter, Map, Collect on a collection Objects.
* Designed, developed, and tested HTML5, CSS3, Bootstrap, JavaScript, jQuery and React.JS that meets accessibility and web browser standards for website.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
* Designed REST and SOAP services.
* Used React JS for templating for faster compilation and developing reusable components.
* Implemented Custom Exceptions depending on the API Responses.
* Designed, configured, and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Developed, implemented, and tested Node.js applications.
* Created some widgets using Kendo UI and successfully integrated Kendo UI components, node.js and module.js with polymer.
* Acquired process awareness for software development and deployment.
* Software development activities and ensuring process adherence and quality deliverable.
* Designed and implemented server-side RESTful web services using Node JS and handled communications to the client side (React JS) using JSON.
* Implemented generating the verification hash code using crypto package on Node.JS and Added user validations and user permissions by using the Node.js.
* Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Working on AWS Lambda for event driven workflow, working on Databases, Creating and Hosting micro services on EC2 Instances, and automating things using JSON Scripts, creating End-Points for the services, integrating through API's, involved in creation of APIs and API Gateways for by establishing Secure connection between the end-points.
* Used Spring Boot, which is radically faster in building cloud Micro Services and develop Spring MVC, based application with very less configuration.
* Involved in writing Kafka producers to stream the data from external rest APIs to Kafka topics.
* Implemented BDD through Cucumber. Created the Feature Files for Cucumber Automation.
* Designed and developed the RESTful web services using the JAX-RS API to communicate over the network. Worked on presentation layer to develop JSP pages and embedding CSS, JavaScript, DOM and HTML.
* Implemented AJAX for couple of navigation screen flows for asynchronous calls.
* Configured new actions, result types and global errors in struts.xml and used struts tiles to create application web pages.
* Worked on design patterns which include Decorator, Facade, Front controller, Intercepting filter and MVC.
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Developed Mockito and JUnit test cases to improve code coverage.
* Created a Kubernetes Clusters in AWS and deploying a Docker Image on top of Kubernetes Cluster.
* Experience in writing unit tests using JUnit and Easy Mock.
* Tested the performance of our API using SoapUI, Postman, and JMeter.
* Used Jenkins server for code monitoring during code integration phase.
* Implemented modular approaches for backend on AWS Elastic Beanstalk and implemented interfacing with MySQL/Aurora DB on AWS’s RDS, allowing for scalability.
* Built the internal tool and maintained with React JS along with Flux and Redux.
* Worked on creating, retrieving, updating, and deleting documents in MongoDB.
* Involved in various phases of Software Development Life Cycles (SDLC) like Design, Development, and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams.
* Designed an API Life Cycle template for the API business objectives before building a programmatically accessible platform.
* Utilize EBS to store persistent data and mitigate failure by using snapshots.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Worked in an Agile based development environment and participated in Retrospective, Scrum session for better understanding, communication among team members.

**Environment**: Agile, JIRA, HP ALM, HTML5, CSS3, JavaScript, React JS, AWS, Ajax, jQuery, JSON, JDBC, Bootstrap 3, Spring, Hibernate, LINUX/UNIX, Node.js, MySQL, JBoss, Apache Tomcat, Junit, Git, Ant, Apache Kafka, Jenkins, Docker, Kubernetes, Log4j.

**Client: Careator Technologies Pvt Ltd Hyderabad, India Jun 2016 - Oct 2017**

**Role: Java Developer**

**Project description:** This project entailed the development of a dynamic web application using Agile methodologies, focusing on robust database management with PL/SQL and user interface creation using HTML, CSS, jQuery, Angular 4, and Bootstrap. We integrated Hibernate for database operations, employed JUnit for unit testing, and used Jenkins and Maven for continuous integration and efficient project management. The application featured MVC architecture, implemented through servlets, and utilized Spring and Hibernate frameworks for ORM. Additionally, we designed RESTful microservices using Spring Boot, ensuring a seamless, efficient, and scalable web application solution.

**Responsibilities:**

* Used agile methodology for software development. Based on the business needs of the application, developed functional and non-functional features of the application.
* Strong skills in writing queries, functions, triggers, and stored procedures in PL/SQL.
* Developed UI interface using HTML, CSS, jQuery and Angular 4, JavaScript AJAX and Tag libraries and Bootstrap.
* Strong skills in Oracle server-side programming which includes SQL, SQL\*Plus, PL/SQL Packages.
* Used DAO Pattern to fetch data from the database using Hibernate to carry out various database.
* Wrote JUnit test cases for unit testing. Used maven to build applications and created multi module maven project and used Jenkins for continuous integration.
* Developed detailed design documents for all the functional modules of the application to be used by the testing team to setup test cases.
* Implemented Angular 6 services to connect the web application to back-end APIs to POST/GET the data.
* Proficient in using servlets. Applied MVC implementation to the web application.
* Used Design patterns such as DAO, Singleton, Session façade which helps in distribution of roles and responsibilities across various layers of processing.
* Developed the application using Eclipse IDE and used JBoss for deployment of application.
* Strong understanding of the spring modules like Spring Core, Spring MVC, Spring JDBC, Spring Boot.
* Extensively used spring framework Dependency Injection (DI) for object’s dependency resolution, Inversion of Control (IOC) using XML configurations, Java Annotations and Java Source code.
* Integrated Spring- Hibernate frameworks for ORM functionality. Maintained web services using Restful API.
* Deployed the application using Apache Tomcat Server.
* Performed Module and Unit Level Testing with JUnit and Log4J for debugging and error tracking.
* In production support responded to service tickets and service requests within established time-based requirements.
* Designed and developed REST based micro services using Spring Boot.

**Environment:** Java, J2EE (JSP, Servlets), JMS, JavaScript, Angular 4/5/6, jQuery, HTML, API, CSS, Bootstrap CSS, JSF 2.0 X, Hibernate, Spring, Linux, XML, XPATH, Shell scripts, Perl Scripts, Eclipse, JBOSS, Agile, JDBC with Oracle 11g.

**Client: IBM, Bangalore, India Apr 2015 - May 2016**

**Role: Java Developer**

**Project Description:** This project involved the enhancement and integration of UI components into a J2EE framework, leveraging technologies like HTML, JavaScript, jQuery, and CSS for an improved user interface. We utilized Hibernate for efficient data management and Jenkins for code testing and deployment. The project included web services integration using SOAP, extensive use of JIRA for project tracking, and the development of dynamic UI elements with jQuery UI. Our approach also encompassed the creation of Action Classes in the Struts framework, RESTful web services implementation, and database management using Java Beans and JDBC. The presentation layer was developed using JSP, HTML5, CSS, AJAX, and Angular JS, complemented by meticulous documentation and version control using GIT and Maven.

**Responsibilities:**

* Responsible for overall design & analysis of UI components and integration with existing J2EE.
* Designed GUI of the project using HTML, JavaScript, Linux, jQuery, CSS to improve visual effect on the dynamic front-end.
* Annotation based Hibernate beans developed to eliminate the mapping XML files.
* Used Jenkins plugins for code coverage and to run all the test before generating war file.
* Tag and track RSA Canada, Pet Plus and Amex websites using Adobe Site Catalyst and Tealium.
* Implemented the integration with the back-end system with web services using SOAP and WSDL
* Experience in using bug/issue tracking, project Tracking and Management tool JIRA.
* Worked with jQuery UI to improve user experience, such as Validation Engine, Data Table, and Dynamic Charts.
* Developed Action Classes, which holds business logic in Struts framework.
* Designed, developed, and maintained the data layer using Hibernate and perform configurations of spring Application Framework
* Implemented REST web services for other applications to communicate.
* Developed Java Beans and Utility Classes for interacting with the database using JDBC.
* Processed JSON Request according to different type’s modules, actions, and request data.
* Created jar files, compiled them, and run those using Maven scripts.
* Used GIT repository for software configuration management and version control.
* Used Hibernate ORM for persistence management, written CRUD and HQL based queries to retrieve and render the data.
* Developed presentation layer using JSP, HTML5, CSS, AJAX, JavaScript, jQuery, and Angular JS.
* Prepared Technical Design documents with UML, Sequence diagrams using Microsoft Visio and fixed defects identified during SIT, UAT, and Production.

**Environment:** Java, Agile, HTML5, CSS, JSP, Ajax, Angular JS, Spring, Hibernate, SOAP, XML, Jenkins, DB, SQL, JSON, JMeter, Apache tomcat, Sybase, Clearcase8.0, Oracle, GIT.

**Client: Voip Office, Hyderabad, India Feb 2014 – Mar 2015** **Role: Jr. Java Developer**

**Project Description:** This project focused on the development and management of an interactive web application, following the Waterfall methodology for systematic progress through each stage. We gathered and analyzed system requirements, leading to the creation of dynamic web pages using HTML5, CSS3, JSP, JavaScript, jQuery, and Ajax. The application featured specialized Training and Appraisal modules, developed with Java, JSP, Servlets, and JavaScript. We incorporated Web Services for efficient XML data transfer and utilized DB2 for database management, writing SQL queries, stored procedures, and integrating them into DAO. Servlets played a crucial role in managing HTTP requests between the frontend and backend. The project also involved working with MongoDB and mongoose for database persistence in Node.js, creating testing frameworks using Junit and Mockito, and managing design variations with PTC Windchill. JDBC was used for database connectivity with MySQL, and SVN served as our version control tool, ensuring efficient code management and review processes.

**Responsibilities:**

* Involved in gathering and analyzing system requirements.
* Worked on Waterfall methodology including team-based design and code reviews.
* Developed interactive web pages using HTML5, CSS3, JSP, JavaScript, jQuery, and Ajax.
* Developed the Training and Appraisal modules using Java, JSP, Servlets, and JavaScript.
* Worked on Web Services for transferring XML data between two interfaces.
* Worked with DB2 and Wrote SQL Queries, stored procedures, triggers, & integrated SQL Queries into DAO.
* Used Servlets as an interface between frontend and backend to handle HTTP requests and to send the response back to the front end.
* Worked with modules like MongoDB and mongoose for database persistence using Node.js to interact with MongoDB.
* Written testing frameworks for J2EE by using the tools Junit and Mockito.
* Managing Design Variations with PTC Windchill.
* Used JDBC to invoke Stored Procedures and database connectivity to MySQL.
* Involved in Code reviews for other modules developed by peers.
* Used SVN as a version control tool for pushing and pulling the code.

**Environment:** Waterfall, Servlets, HTTP, JSP, JavaScript, XML, HTML, CSS, jQuery, Ajax, DB2, SQL, JDBC, MySQL, Junit, Mockito, windchill and SVN.